

Product datasheet

anti-Vesicular Monoamine Transporter VMAT2 guinea pig
polyclonal, serum

Short overview

Cat. No.	16085
Quantity	50 µl (lyoph.)

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic peptide (CQSYPIGDDEESED-OH) from the C-terminus of rat VMAT2 conjugated to BSA
Formulation	Lyophilized; reconstitute in 100 µl dist. water
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human, Mouse, Pig, Rat

Applications

Immunohistochemistry (IHC) - frozen	1:2,000-1:3,000
Western Blot (WB)	Assay dependent

Background

The vesicular monoamine transporter is responsible for the vesicular uptake of monoamines, like dopamine, norepinephrine, epinephrine, serotonin and histamine. The antiserum recognizes monoaminergic neurons of the CNS, the ECL-cells of the stomach, as well as enteric nerve fibers. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes staining. In Western blot experiments using a crude synaptic vesicle fraction of rat brain, the 70 kDa of anti-VMAT2 is recognized (suggested dilution 1:500).

Positive control: frozen sections of rat small intestine.

Product images



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References

Publication	Species	Application
Carballo-Carbajal, I. et al. Brain tyrosinase overexpression implicates age-dependent neuromelanin production in Parkinson's disease pathogenesis. Nat Commun. 10, 973 (2019)	rat	IHC-IF (paraffin)